# Seminar on Information Technology in Basic Education for BRI Countries

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| **Código de Beca:** | 2847 |
| **Nombre:** | Seminar on Information Technology in Basic Education for BRI Countries |
| **Descripción:** | **About the organizer** |

Based in Shanghai, China, East China Normal University (ECNU) was founded in October 1951. Over sixty years of development has shaped ECNU into one of the key institutions of higher learning under the direct auspices of the Ministry of Education, influential both at home and abroad. It is a member university of "Project 211" and "Project 985". In 2017, the university was listed as tier A member university for the development of world first-class universities of China and hence started the new journey ever since. On December 28, 2017, 12 disciplines of ECNU were listed as tier A nationwide with Pedagogy and World History as A+, ranking 19 as a whole among all the universities in China during the fourth round of discipline evaluation carried out by China Academic Degrees &Graduate Education Development Center (CDGDC).

Teacher education has always been a distinctive and preponderant discipline of ECNU. Over decades it has cultivated crops of excellent teachers and educators for the country. ECNU offers doctoral programs in 30 of its first-level disciplines and master's programs in 35 first-level disciplines, and is authorized to confer 21 professional master's degrees and doctoral degree in education. It boasts 26 postdoctoral mobile research stations and 85 bachelor's degree programs. It has two National Primary Key disciplines, namely education and geography disciplines, five National Secondary Key disciplines, five National Key Cultivating disciplines, 12 disciplines enlisted as Class-A by the Ministry of Education, six disciplines included in Shanghai Peak Disciplines Program, 12 Shanghai key disciplines and 17 Shanghai first-rate disciplines.

In the field of science, ECNU is home to two State key labs, one National Engineering Research Center, one National Field Observation and Research Station, one State-level International Joint Research Center, seven Education Ministry Key Labs and Engineering Centers, one International Cooperation Joint Lab of the Ministry of Education, one Strategic Research Base-cum-Soft Science Research Base of the Ministry of Education, one Field Science Observation and Research Station of the Ministry of Education, one Key Research Base of the Ministry of Civil Affairs, one Key Lab of the National Press and Publication Administration, one Engineering Technology Innovation Center of the Ministry of Natural Resources, 12 Shanghai Key Labs and Engineering Research Center, one Shanghai Engineering Research Center, one Shanghai Field Scientific Observation and Research Station, one Shanghai Collaborative

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Innovation Center and one Shanghai Soft Science Research Base. ECNU is equally strong in liberal arts, with 6 Key Research Bases for Humanities and Social Sciences of the Ministry of Education, one National Research Institute for Teaching Materials, one Chinese Traditional Culture Base, one Scientific Research Base of the China National Committee on Aging, 7 Shanghai Philosophy and Social Sciences Innovation Research Bases, 7 Shanghai Municipal Government Decision-making Consultation Research Bases, 4 Shanghai University Think Tanks, 10 Key Research Bases of Humanities and Social Sciences of Morality and Cultivation in Shanghai Universities, Research Centers of seven countries and regions, 6 National Liberal Arts and Science Basic Disciplines Talent Training and Science Research Bases, 6 Basic Disciplines Top-notch Training Program Bases (2.0), two State Experimental Teaching Demonstration Centers, one State VR Experimental Teaching Center, and 9 city-level experimental teaching demonstration zones. The university sponsors or supervises the publication of 23 academic journals and periodicals, as well as 6 English-language academic journals. Its library collection tops 486 million volumes, with 161 electronic document data bases comprising 462 sub-data bases. The university has set up an Education Group with 51 primary, secondary schools and kindergartens affiliated to the university.

By March 2021, among the total staff of 4,422, there are 2,379 full-time faculty members, including 18 national academicians, 2,081 professors and associate professors and 288 members of all sorts of national or municipal talent projects, many of whom enjoy high reputation in their respective academic circles. As for students, there are 15,543 undergraduate students, 15,239 graduate students, 3,334 PhD students and 1,355 international students (degree students) on campus. ECNU has two main campuses located in Putuo and Minhang districts respectively, which overall has a total area of about 207 hectares.

The university follows closely diplomatic policies of the country by strengthening cooperation in related fields with other developing countries. In 2010, ECNU became the third university in China undertaking international degree programs after Peking University and Tsinghua University. The curriculum and teaching work are undertaken by the International Center for Teacher Education (ICTE). In 2014, ECNU, with the ICTE as the degree program undertaker, is approved by the Ministry of Education of China as one of the 12 national undertakers of international programs among 35 colleges and universities undertaking foreign aid programs, mainly "project 985 "and "project 211 "universities. Up to now, the ICTE has undertaken 10 international degree programs and cultivated 238 students with 236 graduated and 2 more for their second-year study of their two-year degree program from 51 countries in Asia, Africa, Latin America, Oceania and Europe.

Since 2011, the ICTE has started to undertake short-term seminars of the

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Ministry of Commerce of China which gradually became a routine every year. So far, 28 seminars have been held, of which one is an overseas seminar in Cuba and one online seminar, with a total of 859 participants from 69 countries in Asia, Africa, Latin America, Oceania and Europe. Teaching and working languages include English, French, Arabic and Spanish. In 2019, the ICTE also undertook training programs funded by the Ministry of Foreign Affairs of China.

In 2015, ECNU was entrusted by the UNESCO headquarters to run the one-year "UNESCO-China (The Great Wall) Co-sponsored Fellowships program---ECNU Advanced Training Programme" with again ICTE as its undertaker. As the only university in China to undertake the class-scale Great Wall fellowship Programme, ECNU appointed ICTE to undertake the curriculum and teaching work of this programme.

In 2019, ECNU was approved by the Ministry of Education of China to launch the two-year Master's program of "China-Africa Friendship Scholarship" program. The courses and teaching work are undertaken by the ICTE. In the same year, the ICTE also enrolled two-year Master's students sponsored by the Shanghai Government Scholarship Programs.

In December, 2014, approved again by both the Ministry of Education and the Ministry of Foreign Affairs of China, the "China-ASEAN Centre for Education and Training, ECNU" was established within ICTE. Besides, the "China-ASEAN Centre for Education and Training, ECNU" has become a council member of the Alliance of China-ASEAN Education and Training Centers since 2015 and a standing council member since 2016.

The Department of Education Information Technology is the earliest established in China to study the application of information technology in education. Since the establishment of the department for more than 30 years, through the joint efforts of teachers and students, it has reached the leading domestic level in discipline construction, and has also established a professional brand featuring computer education applications.

**Fuente principal:** China

**Fuente secundaria:** -

**Tipo de beca:** Total

**Fecha de vencimiento:** 19/08/2021

**Requisitos:** **Requirements for the Participants**
Background
Education and other related disciplines
Age
Not higher than the legal retirement age of the participants' recipient country
Health
Be in good health and able participate in the online seminar on time

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Language

Capable of listening, speaking, reading and writing in English

Others

Able to use the VooV Meeting platform to attend the events online

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| **Beneficios:** | El curso no tiene costo para los postulantes seleccionados |
| **Lugar de postulación y documentación a presentar:** | - Formulario de AUCI<br>- Carta de aval de la institución patrocinante dirigida al Director Ejecutivo de AUCI, Sr. Mariano Berro<br>- Fotocopia de la CI<br>- Fotocopia de certificado de conocimiento de idioma inglés<br>- Currículum Vitae, máximo 5 hojas (No documentado)<br>- Fotocopia del título (si corresponde)<br>- Excel completo con datos solicitados<br>- Mismo Excel en formato PDF. con la firma del interesado<br><br>Debido a la situación actual de COVID se deberá enviar toda la documentación con las firmas correspondientes por mail a becas@auci.gub.uy<br><br>Posteriormente se podrá solicitar la documentación física en Torre Ejecutiva, Plaza Independencia 710 piso 7 oficina 703<br><br>La fecha límite es hasta el mismo día hasta las 17hs |
| **Contacto en caso de dudas:** | becas@auci.gub.uy<br>Tel 150 int 3402 o 3403 |
| **Observaciones:** | **Notes**<br>1. This seminar will be held online on the VooV Meeting platform, and the participants are required to prepare related equipment including network, computer, microphone, camera, etc.<br>2. During the seminar, participants should follow the schedule and teaching discipline, and personal attendance record decide whether the training certificates will be issued.<br>3. Teaching discipline: participants have to join the online meeting 5 minutes in advance to get prepared. Change ID name into "name (consistent with the passport name) -nationality abbreviation".<br>4. Information security: In order to protect the information security and personal privacy, please do not share the content of the lectures on any social media. The materials will be sent to the participants after class.<br>5. Participants should prepare related materials according to the seminar schedule. |

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## Ofrecimiento Nº 2847.1

**Nombre ofrecimiento:** Seminar on Information Technology in Basic Education for BRI Countries

**Información específica:** **Training Goals**

1. To help participants understand the current trends and prospects of the development of education informatization in various countries in the world;

2. To help participants have a preliminary understanding of the measures, ideas and typical cases of China's basic education informatization development;

3. Familiarize the participants with the path, strategy, method and technical means of the development of education informatization;

4. At the end of the course, participants can put forward their own country's development suggestions for informatization methods of education and methods of informatization teaching based on what they have learned and combined with the actual situation of education in their country.

**Content Introduction**

Entrusted by the Ministry of Commerce of the People's Republic of China, East China Normal University will hold an online Seminar on Information Technology in Basic Education for BRI Countries in Shanghai.

The main contents of the Seminar will be:

1. An Overview of China's Development and Transformation

2. Design and development of core literacy-based information technology courses

3. STEM course design

4. Causes and countermeasures of the paradox of high access and low use for ICT in education

5. E-leadership

6. Dissemination and promotion of digital technology in schools in Bangladesh

7. Aspects of artificial intelligence + education

8. Programming education in primary and secondary schools: From computational thinking to computational participation

9. Data and Algorithms of Introduction to Artificial Intelligence

10. The sustainable application of blended teaching in post-epidemic situations

11. Research on online collaborative exploration of the critical thinking ability of middle school students

12. China's Experience in Combating COVID-19

13. Challenges and opportunities of online teaching in the post-epidemic era (seminar)

14. Smart learning design for deep learning (seminar)

Experts on education will be invited to give lectures and facilitate two-way

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interactions with the trainers. During the seminar, participants will be arranged to visit schools in China through online platforms to help them learn more about the application of information technology in China's basic education and share experiences with each other. In addition, there will be online field trips to places of cultural, economic and educational interests in Shanghai and Beijing. With these, participants are expected to better understand what China has achieved in education within broad context of socio-economic and cultural development since China's reform and opening-up beginning from early 1980's. At the same time, the opportunities of enhanced partnership and cooperation in education between China and other BRI Countries could also be facilitated in the years to come.

Introduction of lecturers

1. Dr. Bian WU is an associate professor of the Department of Educational Information Technology at East China Normal University and visiting scholar at the University of Wisconsin-Madison. He holds a PhD from the University of Hong Kong. His main research interests are learning science and technology, online learning environment design, problem-solving learning, information-based teacher education and learning analytics.

2. Dr. Bo JIANG is an associate professor of the Department of Educational Information Technology at East China Normal University. His research interests include educational data mining, learning analysis, programming learning, intelligent teaching assistant systems, etc. He presided over and undertook a number of national, provincial and ministerial scientific research projects, and published more than 30 academic papers. He taught a number of undergraduate and postgraduate courses such as "Programming Education in Primary and Secondary Schools", "Artificial Intelligence Education in Primary and Secondary Schools", "Data Mining", "Data Structures", and "Database Principles".

3. Dr. Feng LI is an associate researcher of the Department of Educational Information Technology at East China Normal University, visiting scholar at the University of Missouri, member of the National High School Information Technology Curriculum Standard Revision Group, and member of the National Compulsory Education Information Technology Curriculum Standard Development Group.

4. Dr. Yanyan SUN is an associate professor of the Department of Educational Information Technology at East China Normal University. She presided over the General National Science Education Planning Projects, the youth projects of the Ministry of Education, and participated in many national research projects as a core member. She has also published over 10 papers on SSCI, CSSCI index journals. Her major research interests include informal online learning community,

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instructional design in technology-facilitated environments and STEAM education.

5. Dr. Jing LENG is an associate professor of the Department of Education Information Technology at East China Normal University. Currently, she serves in the editor board of International Journal of Computer-Supported Collaborative Learning and works as reviewer of many leading journals such as the Journal of Learning Science, and Educational Technology Research and Development. She has served as a reviewer and member of the sub-conference program committee for International Conference on Computers in Education (ICCE), Learning Analytics &Knowledge Conference (LAK) and Global Chinese Conference of Computer in Education (GCCCE). Her research interests include computer-supported collaborative learning (CSCL), serious educational games, educational data mining, and critical thinking skills.

6. Dr. A.Y.M. Atiquil Islam is an associate professor of the Department of Education Information Technology at East China Normal University. He has had almost 17 years of experience in academia, industry and business. His research interests are in the arena of ICT in Education, Quantitative Modelling, Assessment of Educational Technologies and E-learning.

7. Dr. Xiang FENG is an associate researcher of the Department of Educational Information Technology at East China Normal University. He engages in research and teaching of education informatization. In recent years, his main focus has been on artificial intelligence education applications. He is responsible for and participated in a number of national, provincial and ministerial informatization projects; published more than 20 papers on SCI, SSCO, EI, CSSCI, etc. and obtained 9 software copyrights and 1 authorized invention patent. He is the deputy secretary general of the Professional Committee for Information Technology Education in Primary and Secondary Schools at the Chinese Society of Education and a member of the think tank for national education informatization standards.

8. Dr. Xianlong XU is an associate professor of the Department of Educational Information Technology at East China Normal University. His research areas include comprehensive learning design for complex skills and application evaluation of ICT in education. He served as an expert in the Teaching and Research Section of Shanghai Education Commission and Shanghai Teaching Research Association of Higher Vocational Colleges. As the person in charge, he is presiding over more than 10 projects, such as the national education science planning project, Shanghai philosophy and social science planning project, as well as projects entrusted by the Minhang District Education Bureau and the National Institutes of Educational Policy Research. In recent years, he published nearly 30 academic papers in educational technology on both

international and domestic journals, including "Interactive Learning Environment", "E-Education Research", "China Educational Technology", "Modern Educational Technology", etc., as well as in authoritative international academic conferences such as AERA, ICCE, etc.

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| **Tipo de curso:** | SEMINARIO / TALLER |
| **Modalidad de curso:** | A distancia |
| **País:** | Uruguay |
| **Ciudad:** | - |
| **Idiomas:** | inglés |
| **Fecha de inicio:** | 09/09/2021 |
| **Fecha de fin:** | 22/09/2021 |
| **Fecha límite de inscripción:** | 19/08/2021 |
| **Duración aprox.:** | - |
| **Disciplinas:** | Ciencias de la educación (pedagogía, didáctica y formación permanente) Capacitación técnica y formación profesional Política de la educación. Planificación, gestión y evaluación Tecnología |
| **Observaciones:** | - |

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